

D-galactopyraniside, 4-nitrophenyl-beta-D-galactopyranoside, 2-nitrophenyl-beta-D-galactopyranoside, 5-iodo-3-indoxyl-beta-D-galactopyranoside, 4-methylumbelliferyl-beta-D-galactopyraniside and N-methylindoxyl-beta-D-galactopyranoside.

4. An isolation plating medium for the identification of *Salmonella* from a sample containing a plurality of different bacteria comprising the mixture of claim 3 in combination with an inhibitor of the group consisting of bile salt, bile salt #3, tellurite, sodium novobiocin and cefsulodin.

5. An isolation plating medium for the identification of target bacteria in a sample containing a plurality of different bacteria comprising the medium of claim 1 in combination with a chromogenic substrate enhancer.

6. An isolation plating medium for the identification of target bacteria in a sample containing a plurality of different bacteria comprising the medium of claim 5 wherein the chromogenic substrate enhancer consisting of at least one member of the group isopropyl-beta-D-thiogalactopyranoside, 1-O-Methyl-beta-D-galactopyranoside, Ethyl-beta-D-thiogalactopyranoside, and Methyl-beta-D-thiogalactopyranoside.

7. An isolation plating medium for the identification of *Salmonella* from a sample containing a plurality of different bacteria comprising a mixture of (1) a carbohydrate capable of being a metabolic source for *Salmonella* and supporting colonies of *Salmonella* bacteria, (2) a pH indicator dye that changes the color of the plating medium to a first color different from and contrasting with the color of the medium responsive to a change in the pH of the medium, (3) a first chromogenic substrate that does not react with *Salmonella* and injects color into the medium of a second color responsive to the presence of beta-galactosidase, the second color contrasting with the first color and the color of the media, (4) a second chromogenic substrate that does not

3-indoxyl-beta-D-galactopyranoside, 4-methylumbelliferyl-beta-D-galactopyraniside and N-methylindoxyl-beta-D-galactopyranoside, and (6) an ingredient for thickening the mixture in sufficient quantity to solidify the mixture.

10. An isolation plating medium for the identification of *Salmonella* from a sample containing a plurality of different bacteria comprising the mixture of claim 8 wherein the ingredient for thickening the mixture is agar.

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